

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace, without prejudice, all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1-5. (Canceled).

6. (Currently Amended). A device for impact sensing, comprising:

a processor; and

at least two pressure sensors each detecting an impact to a vehicle based on adiabatic pressure increase, wherein the at least two pressure sensors are connectable to the processor to communicate at least one pressure value each to the processor, the processor being configured to perform an impact sensing based on the at least one pressure value;

wherein the processor is connectable to at least one restraining system; and

wherein the processor is ~~connectable~~ connected to at least one vehicle system besides said at least two pressure sensors and said at least one restraining system to transmit the at least one pressure value to the at least one vehicle system.

7. (Currently Amended). The device as recited in claim 6, wherein the at least one vehicle system is at least one of an engine injection system, an exhaust injection sytem, a climate-control system, a barometer function, and an altitude measuring function.

8. (Previously Presented). The device as recited in claim 6, wherein the at least one vehicle system is configured to use the at least one pressure value for plausibility checking.

9. (Previously Presented). The device as recited in claim 6, wherein the at least one vehicle system is configured to control its function as a function of the at least one pressure value.

10. (Previously Presented). The device as recited in claim 6, wherein the at least one pressure value is an absolute pressure value or a differential pressure value.